



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

647.4112

Job Sheet 202883



Part No: 647.4112

Job Qty: 12 pcs

Part Name: Clip



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 11/5/19

Job Tracking No:

Due Date: 12/18/19

Created By: Marie Lajeunesse

Type: Stock

Description:

Note: DWG REV n/c SHEET 3 IPP REV:A 12.10.26 NEW ISSUE DD VERF:JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
110	Waterjet - Flow - 1	12 pcs		12/18/19	0.17	1.02	Waterjet - Flow		JRB 12/4/19
120	QC 2	12 pcs		12/18/19	0.00	0.00	QC 2 - 1		
							QC 2 - 12		
							QC 2 - 14		
							QC 2 - 17		
							QC 2 - 19		
							QC 2 - 2		
							QC 2 - 20		
							QC 2 - 22		
							QC 2 - 23		
							QC 2 - 25		
							QC 2 - 32		
							QC 2 - 33		
							QC 2 - 35		
							QC 2 - 39		
							QC 2 - 4		
							QC 2 - 40		
							QC 2 - 44		
							QC 2 - 45		
							QC 2 - 48		
							QC 2 - 49		
							QC 2 - 50		
							QC 2 - 51		
							QC 2 - 52		
							QC 2 - 57		
							QC 2 - 62		
							QC 2 - 63		
							QC 2 - 8		
							QC 2 - 66		
							QC 2 - 64		

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com



Container No: S237018

Part: 647.4112

Job No: 202883

Serial No/Batch: S237018

Revision:

Exp Date:

Instructions: Various STC's

Date: 12/04/19

Plex 11/5/19 9:19 AM Dart.lajeunesse.marie

130 QC 8	12 pcs	12/18/19	0.00 0.00	QC 2 - 65	
				QC 2 - 5	
				QC 2 - 71	
				QC 2 - 73	
				QC 2 - 69	JRB 12/4/19
				QC 8 - 12	
				QC 8 - 14	
				QC 8 - 17	
				QC 8 - 20	
				QC 8 - 25	
				QC 8 - 3	
				QC 8 - 32	
				QC 8 - 33	
				QC 8 - 35	
				QC 8 - 39	
				QC 8 - 4	
				QC 8 - 44	
				QC 8 - 45	
				QC 8 - 49	
				QC 8 - 58	
				QC 8 - 8	
				QC 8 - 9	
				QC 8 - 68	
				QC 8 - 67	
				QC 8 - 1 (A)	
				QC 8 - 47	
				QC 8 - 40	DAS 40 DEC 09 2019 9-89
				QC 8 - 52	
				QC 8 - 23	
				QC 8 - 57	
				QC 8 - 76	
				QC 8 - 61	
140 Small Fab - Brake NC - B4B	12 pcs	12/18/19	0.25 0.72	Small Fab - Brake - 1 - B4B	DAS 30 9-89 DEC 11 2019
				Small Fab - Brake - 2 - B4B	
				Small Fab - Brake - 3 - B4B	
150 QC 5	12 pcs	12/18/19	0.00 0.00	QC 5 - 10	
				QC 5 - 12	
				QC 5 - 17	
				QC 5 - 18	
				QC 5 - 19	
				QC 5 - 22	
				QC 5 - 24	
				QC 5 - 3	
				QC 5 - 43	
				QC 5 - 49	
				QC 5 - 51	
				QC 5 - 58	
				QC 5 - 68	
				QC 5 - 9	
				QC 5 - 50	
				QC 5 - 30	DAS 40 DEC 11 2019 9-89
				QC 5 - 40	
				QC 5 - 61	
				QC 5 - 81	
160 Outsource	12 pcs	12/18/19		ATG001-VC	8 12/10/2019 PL
170 Packaging 2-1 - Receive -	12	12/18/19	0.00 0.00	Packaging 2 - 1 - B4B	

B4B

pcs

B4B	pcs				Packaging 2 - 2 - B4B	
					Packaging 2 - 3 - B4B	
					Packaging 2 - 5 - B4B	
					Packaging 2 - 4 - B4B	
					Packaging 2 - 6 - B4B	
					Packaging 2 - 7 - B4B	
					Packaging 2 - 8 - B4B	
					Packaging 2 - 9 - B4B	
					Packaging 2 - 10 - B4B	
					Packaging 2 - 11 - B4B	
					Packaging 2 - 12 - B4B	
					Packaging 2 - 13 - B4B	
					Packaging 2 - 14 - B4B	
					Packaging 2 - 15 - B4B	
					Packaging 2 - 16 - B4B	
					Packaging 2 - 17 - B4B	
					Packaging 2 - 18 - B4B	
					Packaging 2 - 19 - B4B	
					Packaging 2 - 20 - B4B	
					Packaging 2 - 21 - B4B	
					Packaging 2 - 22 - B4B	
					Packaging 2 - 23 - B4B	
					Packaging 2 - 24 - B4B	
					Packaging 2 - 25 - B4B	
					Packaging 2 - 26 - B4B	
					Packaging 2 - 27 - B4B	
					Packaging 2 - 28 - B4B	
					Packaging 2 - 29 - B4B	
					Packaging 2 - 30 - B4B	
					Packaging 2 - 31 - B4B	
					Packaging 2 - 32 - B4B	
					Packaging 2 - 33 - B4B	
					Packaging 2 - 34 - B4B	
					Packaging 2 - 35 - B4B	
					Packaging 2 - 36 - B4B	
					180 QC 5	12 pcs
QC 5 - 12						
QC 5 - 17						
QC 5 - 18						
QC 5 - 19						
QC 5 - 22						
QC 5 - 24						
QC 5 - 3						
QC 5 - 43						
QC 5 - 49						
QC 5 - 51						
QC 5 - 58						
QC 5 - 68						
QC 5 - 9						
QC 5 - 50						
QC 5 - 30						
QC 5 - 40						
QC 5 - 61						
QC 5 - 81						
210 Packaging 3-1 - Stock - B4B	12 pcs	12/18/19	0.00 0.00	Packaging 3 - 1 - B4B		
				Packaging 3 - 2 - B4B		
				Packaging 3 - 3 - B4B		
				Packaging 3 - 4 - B4B		
				Packaging 3 - 5 - B4B		

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JAN 07 2020

DAS
JAN 17 2020 68
9-89DAS
74
9-89 JAN 17 2020

11/5/2019

[Dart Hawkesbury] Job Sheet - Lajeunesse, Marie

				Packaging 3 - 6 - B4B	
				Packaging 3 - 7 - B4B	
				Packaging 3 - 8 - B4B	
				Packaging 3 - 9 - B4B	
				Packaging 3 - 10 - B4B	
				Packaging 3 - 11 - B4B	
				Packaging 3 - 12 - B4B	
				Packaging 3 - 13 - B4B	
				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	
				Packaging 3 - 23 - B4B	
				Packaging 3 - 24 - B4B	
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
220 QC 21 - SA	12 pcs	12/18/19	0.00 0.00	QC 21 - SA - 21	
				QC 21 - SA - 70	
				QC 21 - SA - 53	

JAN 17 2020

Part Op 110 - 1-Cut as per Dwg
 Descriptions: 120 - (QC2- Inspect parts off machine FAI/FAIB)
 130 - (QC8- Inspect parts - second check)
 140 - (Bend/Assemble as per dwg)
 150 - (QC5- Inspect part completeness to step on W/O)
 160 - Issue P/O to ATG : HP5045433
 170 - (Receive & Inspect for Damage & Mat'l Certs)
 180 - (QC5- Inspect part completeness to step on W/O)
 210 - ***IDENTIFY AS PER APICAL MPP-120 BY STAMPING P# AND REV***
 220 - (QC21- Final Inspection - Work Order Release)

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
M2024T3S.070	2024-T3 .070 Sheet	1.5600 sf (.13 ea)	110-Waterjet - Flow - 1	

M130387

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
110-Waterjet - Flow - 1	M2024T3S.070	2	10	0

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Part Specifications					
Spec No	Description	Target/Tolerance	Limits	Type	Special Comments
1	Clip	0.150inches + 0.005 - 0.001	0.155 0.149	0.149	Diameter
2	Clip	0.688inches $\pm$ 0.010	0.698 0.678	0.688	
3	Clip	1.000inches $\pm$ 0.010	1.010 0.990	1.002	
4	Clip	1.000inches $\pm$ 0.010	1.010 0.990	1.002	
5	Clip	1.344inches $\pm$ 0.010	1.354 1.334	1.345	
6	Clip	0.313inches $\pm$ 0.010	0.323 0.303	0.317	
7	Clip	0.656inches $\pm$ 0.010	0.666 0.646	0.659	
8	Clip	0.070inches $\pm$ 0.010	0.080 0.060	0.065	

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Entered: _____ Date: _____

WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____		DISPOSITION Rework ☐ ☐ ☐ Scrap ☐ ☐ ☐ Use-as-is ☐ ☐ ☐		DEPARTMENT/PROCESS Cross tube ☐ ☐ ☐ Eng. (Non-AW) ☐ ☐ ☐ Engineering ☐ ☐ ☐ Small Fab ☐ ☐ ☐ Prod. Eng. Coord. ☐ ☐ ☐ Water Jet ☐ ☐ ☐ Finishing ☐ ☐ ☐ Rec/Store/Packaging ☐ ☐ ☐ Supplier ☐ ☐ ☐ Skid-tube ☐ ☐ ☐ ☐ ☐ ☐ Quality ☐ ☐ ☐ Machining ☐ ☐ ☐ ☐ ☐ ☐ Large Fab ☐ ☐ ☐ ☐ ☐ ☐				MRB (QS1042)																											
Date : _____		Sequence #: _____		QTY Affected : _____		Disposition																													
Description Work Order Deviation																																			
Root Cause Operator ☐ ☐ ☐ Manufacturing Process ☐ ☐ ☐ Equip/Tooling ☐ ☐ ☐ Handling/Preservation ☐ ☐ ☐ Material ☐ ☐ ☐ Product Improvement ☐ ☐ ☐ Process Improvement ☐ ☐ ☐ Human Factors ☐ ☐ ☐		FAULT CATEGORY <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Pressure/Forced</td> <td style="width: 33%;">Contamination</td> <td style="width: 33%;">Power Loss/Surge</td> <td style="width: 33%;">Positioned Wrong</td> </tr> <tr> <td>Bending</td> <td>Misaligned/off center</td> <td>Folio/Program</td> <td>Outside Tolerance</td> </tr> <tr> <td>Crushing</td> <td>BOM/Route</td> <td>Grain Direction</td> <td>Drawing</td> </tr> <tr> <td>Cracks</td> <td>Broken/Damage/Defect</td> <td>Weld</td> <td>Finish</td> </tr> <tr> <td>Crimp/Kink/Ripple/Wave/Twist</td> <td>Incomplete/Unclear Instructions</td> <td>Wrong Stock Pulled</td> <td>Part Lost/Missing</td> </tr> <tr> <td>Marks/Chatter</td> <td>Drill Holes</td> <td>Out of Sequence</td> <td>Misread</td> </tr> <tr> <td>Mislabeled</td> <td>Fit/Function</td> <td>Off-set/Set-up</td> <td></td> </tr> </table> Other/Details: _____						Pressure/Forced	Contamination	Power Loss/Surge	Positioned Wrong	Bending	Misaligned/off center	Folio/Program	Outside Tolerance	Crushing	BOM/Route	Grain Direction	Drawing	Cracks	Broken/Damage/Defect	Weld	Finish	Crimp/Kink/Ripple/Wave/Twist	Incomplete/Unclear Instructions	Wrong Stock Pulled	Part Lost/Missing	Marks/Chatter	Drill Holes	Out of Sequence	Misread	Mislabeled	Fit/Function	Off-set/Set-up	
Pressure/Forced	Contamination	Power Loss/Surge	Positioned Wrong																																
Bending	Misaligned/off center	Folio/Program	Outside Tolerance																																
Crushing	BOM/Route	Grain Direction	Drawing																																
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Marks/Chatter	Drill Holes	Out of Sequence	Misread																																
Mislabeled	Fit/Function	Off-set/Set-up																																	
Completed By		Lead hand / Supervisor																																	
QC / QA Coordinator																																			



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **POHB045433**



Supplier: ATG001-VC
A.T.G. Industries Inc
760 INDUSTRIELLE STREET
ROCKLAND
ON
K4K 1T2 Canada
Phone: 613-446-4544
Fax: 613-446-4556

Attention: Lalande, Marc-Andre

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: POHB045433

PO Date: 12/18/19

Due Date: 1/10/20

**Purchase Order
Revision:**

Revision Date:

Ship-To Contact: Guerin, Kimberley
Phone: 613-632-5200 Ext: 298
kguerin@dartaero.com

Via: Ground

Pymt Terms: Net 60

Freight Terms:

Special Comments:

Items

Line Item	Job	Part	Drawing	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	203117	C3-11-1	C3-11-1 Rev 9	Side Plate - Solenoid C3-Hook Outsource process- Anodize per QSI017 4.1.10.1 - Issue P/O to Groupe Altech : -ANODIZE COLOR BLACK, PER IAW MIL-A-8625F TYPE 2 CLASS 2, Water sealant -Certificate of Conformity is required	Firmed	-	1/10/20	19 pcs	0 pcs	19 pcs	\$4.88/pcs	\$92.72
2	204190	RBD29905-9	RBD29905 Rev G	Pulley -Issue P/O to ATG : PO -ANODIZE COLOR RED, PER IAW MIL-A-8625 TYPE- 2 CLASS-2, Water sealant -Certificate of Conformity is required	Firmed	-	1/10/20	35 pcs	0 pcs	35 pcs	\$2.26/pcs	\$79.10

X 35 JAN 06 2020



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
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Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB045433



Items

Line Item	Job	Part	Drawing	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
3	204189	RBD29905-7	RBD29905 Rev G	Bushing -Issue P/O; -ANODIZE COLOR RED, PER IAW MIL-A-8625 TYPE-2 CLASS-2, Water sealant -Material type; 6061T6 -Certificate of Conformity is required	Firmed	-	1/10/20	62 pcs	0 pcs	62 pcs	\$2.26/pcs	\$140.12
4	202347	RBE350A94-3701-00-01	RBE350A94-3701-00 Rev E	7 Degree M/R Rigging Tool (Outsource process-Anodize per QSI017 4.1.10.1), -Issue P/O; PO -ANODIZE COLOR BLACK, PER IAW MIL-A-8625F TYPE 2 CLASS 2, Water sealant -Material type; 6061 -Certificate of Conformity is required	Firmed	-	1/10/20	2 pcs	0 pcs	2 pcs	\$4.88/pcs	\$9.76
5	203279	650.9201	650.9200 Rev A1	Eyelet Bracket Assembly : Various STC's Issue P/O to ATG : Hard Anodize, Color Black and Prime as per Dwg 650.9200	Firmed	-	1/10/20	24 pcs	0 pcs	24 pcs	\$7.32/pcs	\$175.68



Dart Aerospace Ltd.
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PURCHASE ORDER POHB045433



Items

Line Item	Job	Part	Drawing	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
6	203710	RBE105-15103W6-2	RBE105-15103W6 Rev A	Bonding Fixture Shaft (Outsource process-Anodize per QSI017 4.1.10.1) Issue P/O to ATG: ANODIZE COLOR CLEAR, PER IAW MIL-A-8625F TYPE 2 CLASS 1, Water sealant Certificate of Conformity is required	Firmed	-	1/10/20	8 pcs	0 pcs	8 pcs	\$4.88/pcs	\$39.04
7	203646	646.3010	646.3000 Rev NC1	LH Half : Various STC's Outsource4 (Outsource process-Anodize per QSI017 4.1.10.1) Issue P/O to ATG : Hard Black Anodize and Prime as per Dwg 646.3000	Firmed	-	1/10/20	10 pcs	0 pcs	10 pcs	\$10.97/pcs	\$109.70
8	202883	647.4112	647.4100 Rev NC	Clip : Various STC's Issue P/O to ATG : HARD ANODIZE IAW MIL-A-8625 TYPE II CLASS 2, COLOR BLACK PRIME IAW MIL-P-23377J TYPE 1 CLASS N C OF C IS REQUIRED	Firmed	-	1/10/20	12 pcs	0 pcs	12 pcs	\$7.72/pcs	\$92.64
Grand Total:											\$738.76	

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Dart Aerospace Ltd.
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Hawkesbury, ON
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PURCHASE ORDER POHB045433



Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 12/24/19 11:19 AM Dart.Guerin.Kimberley



A.T.G. Industries Inc.
760 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 919323

Date: 06-Jan-20

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Patrick Lussier
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via	
		ATG Delivery	
Quantity	Description		
	Please reference this document's Pack List number on all correspondences regarding this shipment. If you have any questions, please contact us.		
24 ea	Part: 650.9201 Eyelet Bracket Assembly Hard Black Anodize per MIL-A-8625F, Type III, Class2, .0005-.0045" (.5 - 4.5mils) Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0006-.0009" (.6 - .9 mils) per drawing. Batch/Lot# 5236137 Job: 26630 PO: POHB045433		Rev: A1 Expiry Date: 05/29/2021 Line: 5
10 ea	Part: 646.3010 LH Half Hard Black Anodize per MIL-A-8625F, Type III, Class2, .0005-.0045" (.5 - 4.5mils) Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0006-.0009" (.6 - .9 mils) per drawing. Batch/Lot#: 5236137 Job: 26632 PO: POHB045433		Rev: NC Expiry Date: 05/29/2021 Line: 7
12 ea	Part: 647.4112 Clip Hard Black Anodize per MIL-A-8625F, Type II, Class2, .0005-.0045" (.5 - 4.5mils) Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0006-.0009" (.6 - .9 mils) per drawing. Batch/Lot#: 5236137 Job: 26633 PO: POHB045433		Rev: NC Expiry Date: 05/29/2021 Line: 8

RECEIVED
JAN 06 2020
DART AEROSPACE LTD.

Made in Canada.

Made in Canada.

RECEIVED
JAN 06 2020
DART AEROSPACE LTD.



A.T.G. Industries Inc.
760 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 919323

Date: 06-Jan-20

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Patrick Lussier
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms	Ship Via
	ATG Delivery
Quantity	Description
	CERTIFICATE OF CONFORMANCE A.T.G Industries Inc. certifies that all items in this shipment conform to the requirements. Date: <u>JAN 06 2020</u> Certified Signature: <u>[Signature]</u> Receiver Signature: _____ A.T.G Industries Inc. is AS9100 Registered and Nadcap Chemical Processing Accredited. Note: This Packing Slip may contain parts that have been PLATED. Items that are plated may be subject to natural tarnishing and it is suggested that they be inspected within 24 hours of receipt.

Made in Canada.